

# TOSHIBA

The power to open people's eyes

**32ZP18Q**  
**36ZP18Q**



**colour television**

**owner's manual**

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# For your safety

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured. So, please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

## Air Circulation...

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent the TV from overheating and consequential possible damage to the TV. Dusty places should also be avoided.

## Heat Damage...

Damage may occur if you leave the TV in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

## Mains Supply...

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is 13A, and is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

## Do...

**DO** read the operating instructions before you attempt to use the equipment.

**DO** ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

**DO** consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

**DO** be careful with glass panels or doors on equipment.

## Do not...

**DONT** remove any fixed cover as this may expose dangerous voltages.

**DONT** obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

**DONT** allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

**DONT** place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

**DONT** use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

**DONT** listen to headphones at high volume, as such use can permanently damage your hearing.

**DONT** leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

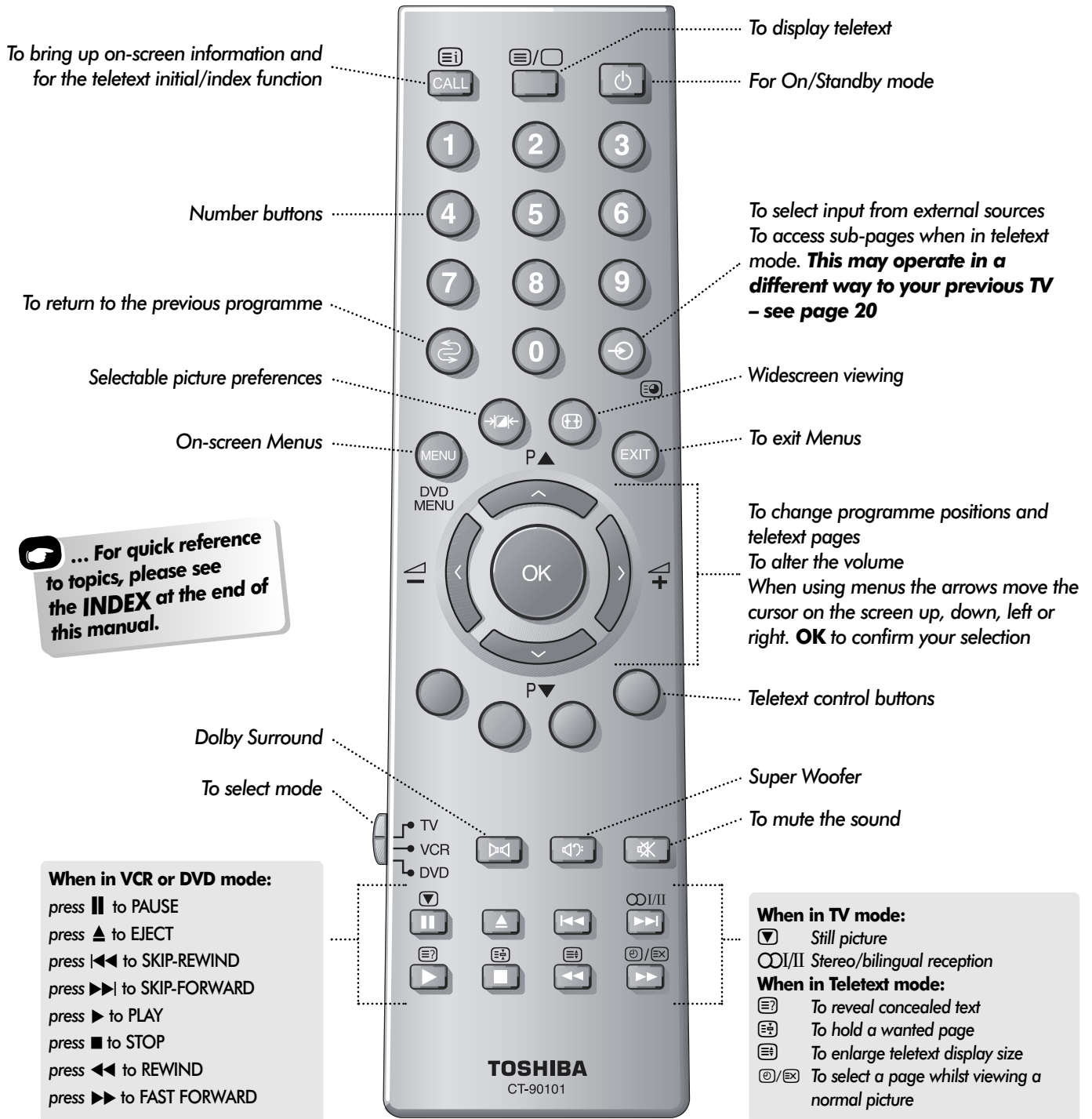
**DONT** continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

**ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.**

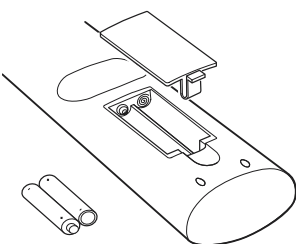
**NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.**

# Your new television's remote control

Simple, at-a-glance reference of your remote control's buttons...



## The batteries... and the effective range of the remote...



Remove the back cover to reveal the battery compartment and make sure you insert the batteries the right way round.

Suitable battery types for this remote are R03 or AAA.

Do not throw your old batteries into a fire, dispose of them in a designated disposal area. Do not combine a used, old battery with a new one or mix battery types.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the TV.

# Connecting the speakers

**! WARNING:** do not attempt to share external speakers with your Hi-Fi as serious damage may occur.

In order to enjoy the full benefits of Surround Sound it is necessary to connect two rear surround speakers and two front extension speakers.

**When connecting external Hi-Fi speakers, they must be 8 ohm, 10W minimum.** The front speakers should be positioned either side of the TV and will deliver the left and right sound. The internal speakers will then deliver the centre channel required to enjoy Dolby Digital.

When connecting external speakers always make sure that the power is OFF.

## Extension Front Speaker connections

To connect extension front speakers simply press the connector and insert the cable. You must now set the switch to **EXT** as shown.

**Always make sure that the lead with the stripe (or raised edge) is connected to the RED terminal and the other (smooth) lead is connected to the BLACK terminal.**

**! Don't forget to set the switch to EXT.**

**Main Speaker**

**TV**

**Main Speaker**

**! These are suggested positions only. Place your speakers to suit and adjust the balance as necessary.**

**Surround Speaker**

**Surround Speaker**

## Surround Speaker connections

To connect surround speakers simply press the connector and insert the cable. These speakers should be sited in line with the normal viewing position

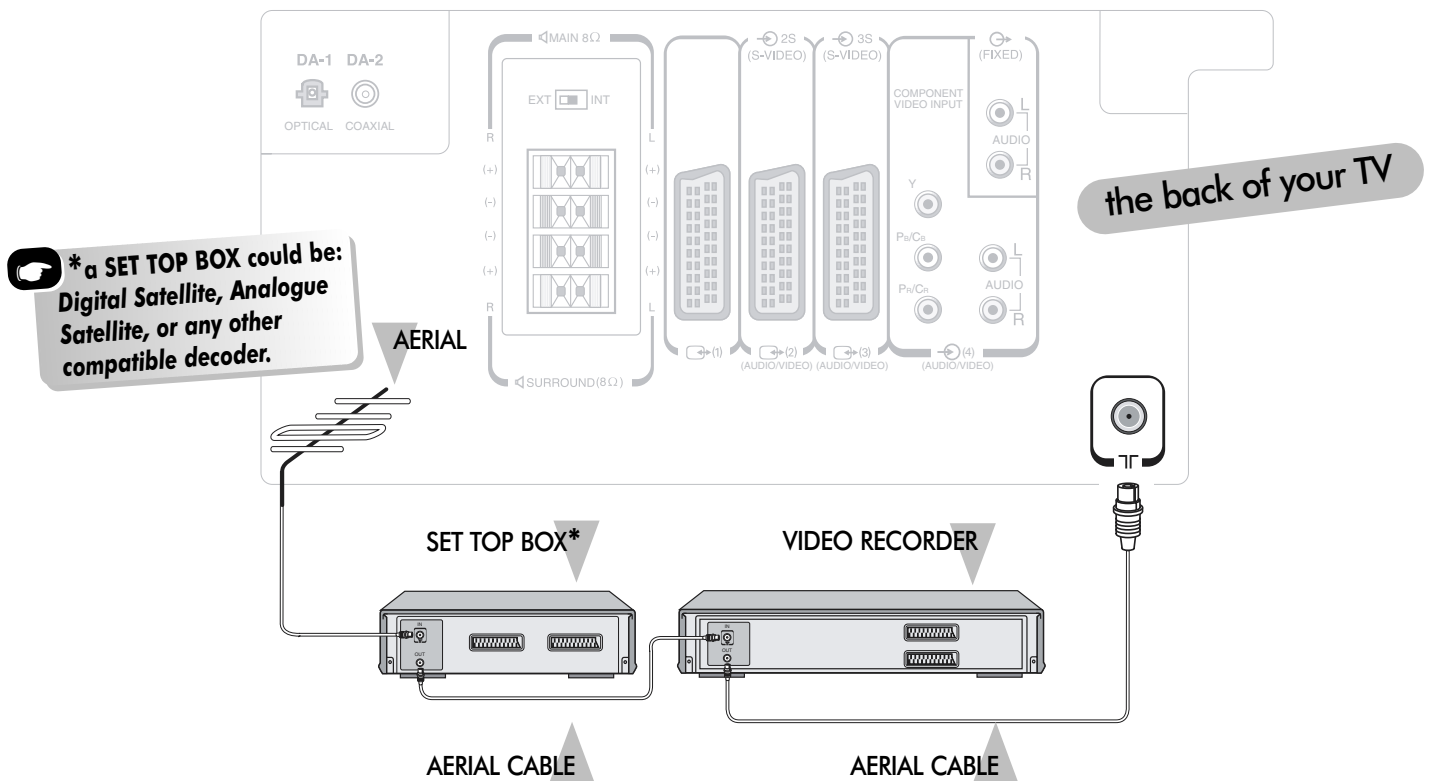
# Connecting and turning on your new TV

To conserve energy it is best to turn your TV off and not to leave it in Standby, unless the timer has been set.

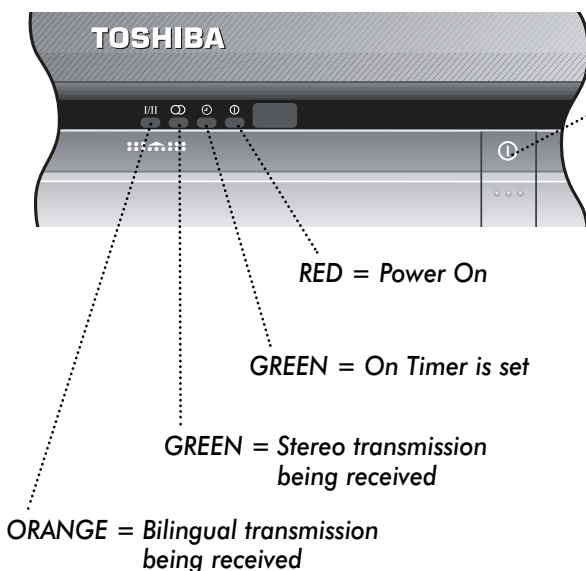
## The TV back connections...

Connect the aerial to the socket on the rear of the television. If you use a Set Top Box and/or a video recorder it is essential that the aerial cable is connected through the Set Top Box and/or through the video recorder to the television.

DO NOT CONNECT SCART LEADS UNTIL THE TELEVISION IS FULLY TUNED.



## ...and switching your new TV on...



On the front of the TV...

If the red power-on light is unlit, press the POWER button on the front of the TV to switch the set on and then press a number button on the remote control to see the screen.

...and with the remote control:

**Press the Standby Button**

This allows you to put the set into standby mode when leaving the TV unattended for short periods of time.

To return to TV mode press the button, or any of the numbered buttons on the remote control. The picture may take a few seconds to appear.



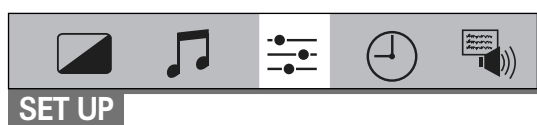


# Choosing the language and system\*, Auto tuning

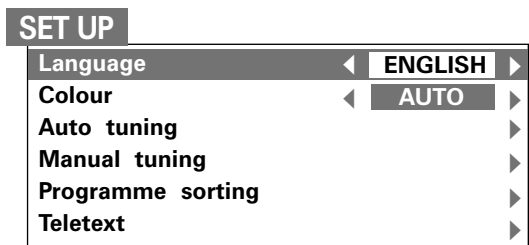
Before running **Auto tuning** turn on your Set Top Box and tune to a main channel. Also turn on the video recorder and set it to Standby. This will enable your television to allocate the necessary programme positions.



- 1** To choose your language, press the **MENU** button, and use the **>** button to select **SET UP** from the top bar.



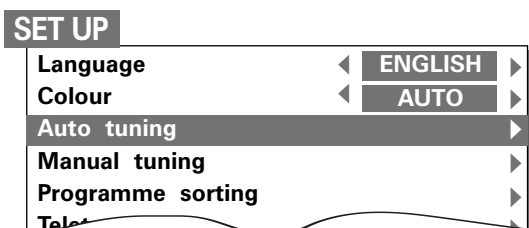
- 2** Now press the **✓** button to highlight **Language** in the **SET UP** menu options.



**EXIT** : To exit

- 3** Press the **<** or **>** button to view the language options available. As you view each language, the wording on the menus will automatically change for you.

- 4** Now press the **✓** button to highlight **Auto tuning**.



- 5** Then the **>** button to go to the **Auto tuning** screen.

- 6** For UK only: Press **OK** to start and go to step 8.

For Continental Europe: You will need to choose the **System**\* necessary for where you live.

## Auto tuning

Previous settings  
will be lost!  
EXIT for no change.

\* System ◀ I ▶  
START ▶

**EXIT** : To exit

- B/G** – Continental Europe, **D/K** – Eastern Europe,  
**I** – UK, **L1**, **L2** – France

- 7** Press the **>** button repeatedly to select your **System**\*. With the **✓** button highlight **START** and then press the **>** button.

- 8** The search will begin for all available stations. **▶▶▶▶** will flash and the bullet will move along the line as the search progresses.

Allow the television to complete the search.

## Auto tuning

Searching

▶ ▶ ▶ ▶ ▶

Channel: 21  
Station:

**EXIT** : To exit

- 9** When the search is complete the TV will automatically return to programme position 1. This may not be a clear picture, so you may wish to change the station order, using **Programme sorting**, on page 9.

**!** IF YOU HAVE FINISHED TUNING, YOU MAY NOW  
CONNECT YOUR SCART LEADS (see page 24).

If you wish to allocate a position for your video recorder, use **Manual tuning**, see page 8.

\* For Continental Europe only.

# Manually tuning your TV

As an alternative to **Auto tuning**, you can tune-in your Toshiba television manually using **Manual tuning**. For example: if you have used **Auto tuning** but wish to tune-in a station on another **System** (see page 7); if you are unable to connect the TV to your video with a Scart lead or, if your set top box was not recognised during **Auto tuning**.

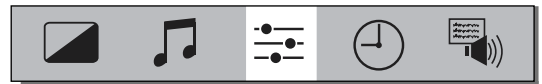
## Manual tuning



**!** If you cannot connect your television to the video recorder using Scart leads you will need to allocate a programme position on the television for the video recorder. Insert a pre-recorded tape and press **PLAY**, then **Manual tune...**

...Your TV may display different **Channel** numbers...

- From the top menu bar select **SET UP** and with the **✓** button highlight **Manual tuning** and the **➤** button to select.



### SET UP

Language	◀ <b>ENGLISH</b> ▶
Colour	◀ <b>AUTO</b> ▶
Auto tuning	▶
<b>Manual tuning</b>	▶
Programme sorting	▶
Teletext	▶

- Using the **▲** or **▼** button, highlight the programme position you require e.g. we suggest **Prog. 0** for your video.

### MANUAL TUNING

Prog.	Sys.	Channel ▲	Station
0		60	VCR
1		22	BBC1
2		28	BBC2
3		25	ITV
4		32	CH4
5		* 69	

**OK** : To select    **EXIT** : To exit

- Press **OK** to select.

### MANUAL TUNING

System
0 1 60 0 VCR

**OK** : To store    **EXIT** : To exit  
**MENU** : To return

- Press the **➤** button to select **System** and use **▲** or **▼** to change (if required, see page 7).

- Press the **➤** button to select **Search**.

**These options will appear as you move across the screen.**

Programme	System	Search	Programme skip/Channel	Manual fine tuning	Station

**Programme:** The number to be pressed on the remote control.  
**System:** Specific to certain areas. See page 7.  
**Search:** Search up and down for a signal.  
**Programme skip:** \* means nothing has been stored or the facility to skip the channel is ON. See page 10.  
**Channel:** The channel number on which a station is being broadcast.  
**Manual fine tuning:** Only used if you experience interference/weak signal. See page 10.  
**Station:** Station identification. You can use the **▲** and **▼** or **◀** and **➤** buttons to enter up to seven characters.

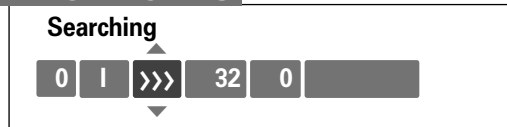


# Manually tuning your TV continued

## Sorting programme positions

- 6** Press the **^** button to begin the search. **Searching** will flash and the television will show the channel numbers whilst the search is progressing.

### MANUAL TUNING

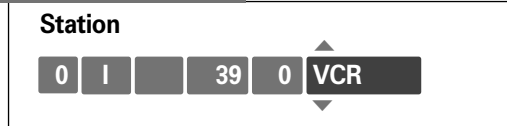


**OK** : To store      **EXIT** : To exit  
**MENU** : To return

- 7** On finding a signal it will show on the television, if it is not your video recorder, press the **^** button again to restart the search.

- 8** When the signal from your video recorder is found, press the **>** button to move along to **Station**. With the **^**, **v**, **<** and **>** buttons, put in the required characters, e.g. **VCR**.

### MANUAL TUNING



**OK** : To store      **EXIT** : To exit  
**MENU** : To return

- 9** Now press **OK** to store.

- 10** Repeat for each **programme position** you want to tune, e.g. to tune your set top box to **Programme Position 06** press the **^** or **v** button repeatedly to select **06** then repeat from **step 4**. Or, press **MENU** to return to the list of channels and select the next number to tune.

- 11** Press **EXIT** when you have finished tuning in.

### PLEASE NOTE

This TV has direct channel entry if the channel numbers are known. Select the **Manual tuning** screen in **Step 3**. Enter the **Programme number**, the **System**, then the **Channel** number. The channel number must be a three digit number e.g. 111, 011, 001. Press **OK** to store.

### To sort programme positions

After tuning, if you want to change the position of certain programmes you can. **Program sorting** is an easy way of storing each channel on the programme position of your choice.

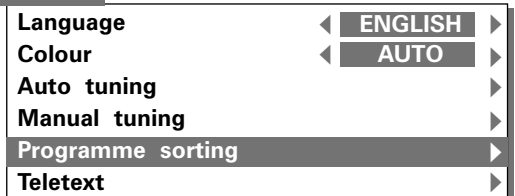
- 1** Press the **MENU** button and then the **<** or **>** button to select the **SET UP** option from the top bar.



### SET UP

- 2** Press **v** to highlight **Programme sorting** and **>** to select.

### SET UP



**EXIT** : To exit

- 3** The list of stations is now showing. With the **v** or **^** button highlight the station you want to move and press **OK** to select.

As you do so the selected station will be moved to the right of the screen.

### PROGRAMME SORTING

Prog.	Channel	Station
1	22	BBC1
2	28	BBC2
3	25	ITV
4	32	CH4
5	* 69	
6	* 69	

**OK** : To set      **EXIT** : To exit

- 4** Use the **v** or **^** button to move through the list to your **preferred position**. As you do so the other stations will move to make room.

- 5** Now press the **OK** button to set your move.

- 6** Repeat as necessary and then press **EXIT**.

# Manual fine tuning and programme skip



## Manual fine tuning

*Manual fine tuning should not be required unless you experience interference or a weak signal.*

- 1 Select **Manual tuning** from the **SET UP** menu.

### MANUAL TUNING

Prog.	Sys.	Channel	Station
0	I	60	VCR
1	I	22	BBC1
2	I	28	BBC2
3	I	25	ITV
4	I	32	CH4
5	I	* 69	

**OK** : To select    **EXIT** : To exit

- 2 With the station highlighted, press **OK**.
- 3 Press the **>** button repeatedly until the words **Manual fine tuning** are showing.

### MANUAL TUNING

Manual fine tuning

1 I 22 + 2 BBC1

**OK** : To store    **EXIT** : To exit  
**MENU** : To return

- 4 With the **^** or **v** button adjust to get the best picture and sound.
- 5 Press **OK** to store and then **EXIT**.

## Programme skip

To prevent certain programmes from being viewed, for example, a certain film by your children whilst you are out for the evening, you can skip the programme position and take the remote control with you. The television will still function as normal using the controls on the front of it, but the set will not show the skipped programme position.

- 1 Press the **MENU** button and from the top menu bar select **SET UP**.
- 2 With the **v** button highlight **Manual tuning**. And press the **>** button to select the **Manual tuning** screen.

### MANUAL TUNING

Prog.	Sys.	Channel	Station
0	I	60	VCR
1	I	22	BBC1
2	I	28	BBC2
3	I	25	ITV
4	I	32	CH4
5	I	* 69	

**OK** : To select    **EXIT** : To exit

- 3 Use the **^** or **v** to highlight the programme position to be skipped and press **OK** to select.
- 4 With the **>** button move along to **Programme skip**.
- 5 Use the **^** or **v** button to turn **Programme skip** : On. Press **OK** to store.

### MANUAL TUNING

Programme skip : On

2 I \* 28 0 BBC2

**OK** : To store    **EXIT** : To exit  
**MENU** : To return

- 6 Then press the **MENU** button and either repeat from **Step 3** or press **EXIT** to finish.

Each programme position has to be **INDIVIDUALLY** selected and set with **Programme skip On or Off**.

The **skipped** programme positions **cannot** now be selected by the **P▲ (^)** and **P▼ (v)** buttons or by the controls on the front of the TV, but can still be accessed by the number buttons on the remote control. To turn **Programme skip OFF**, repeat the procedure on the chosen channel.

# General and sound controls



## Selecting and changing programme position

Enter the desired programme position number using the numbered buttons on the remote control.

For programme positions below 10 use 0 and the required number e.g. 01 for programme position 1.

You can also change the programme position by using the **P▲** (▲) and **P▼** (▼) buttons.

Use the **↶** button to revert to the previous programme position.

The programme position will be displayed on the screen with the Stereo/Mono indicator, described on page 15.

1  
BBC1  
Stereo

## Sound control

### Volume

Press the **▲** (▲) or **▼** (▼) button to adjust the volume.

Volume 32

### Sound Mute

Press the **⊘** button to turn the sound off. Press it again and the sound will return.

### Super Woofer – to enhance the depth of sound

Press the **🔊** button repeatedly to turn the **Super Woofer** on and off. Press the **◀** or **▶** button to adjust the effect. The difference will only be noticeable on sound with a strong bass.

## Bass, treble and balance adjustments



### SOUND

Bass	+ 01	◀ — ● — ▶
Treble	00	◀ — ● — ▶
Balance	00	◀ — ● — ▶

**EXIT** : To exit

Press the **MENU** button on the remote control, and the **◀** or **▶** button to select the **SOUND** option from the top bar.

Press the **▼** button to highlight **Bass**, **Treble** or **Balance** from the **SOUND** menu and then the **◀** or **▶** button to change the setting.

# Widescreen viewing

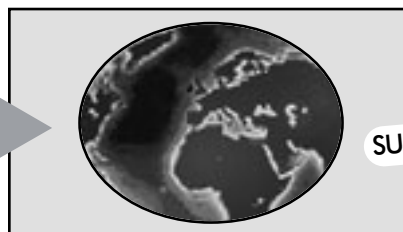
This set is capable of showing broadcasts in a number of formats. Depending on the type of broadcast being transmitted you may select between **Super live, Cinema, Subtitle, 14:9, Wide** and **4:3**.



Press the **P** button repeatedly to view the options available.

## SUPER LIVE

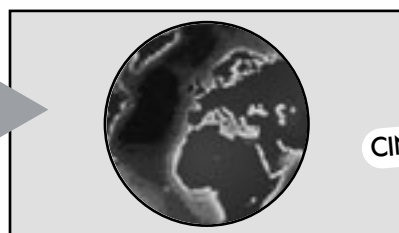
This setting will enlarge the image to fit the screen by stretching the image horizontally, holding the correct proportions at the centre of the image.



SUPER LIVE

## CINEMA

When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



CINEMA

Experiment with them all until you find a style that suits you...

## SUBTITLE

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.

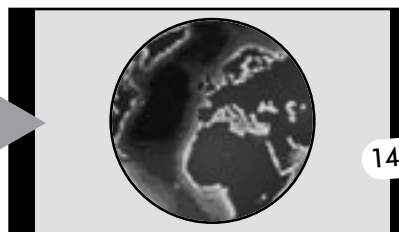


SUBTITLE

! Whenever the **MENU** button is pressed the picture size setting will change while the menus are **ON** the screen. This is to ensure the menus do not overlap the edges of the viewable area.

## 14:9

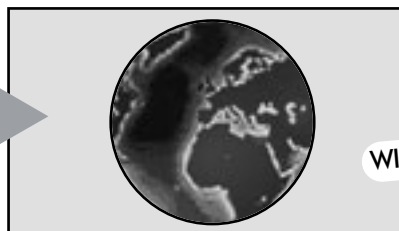
Use this setting when watching a 14:9 broadcast.



14:9

## WIDE

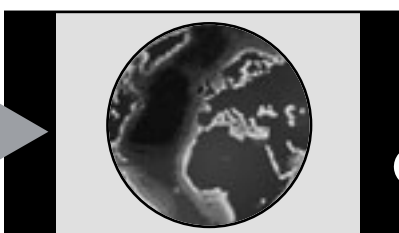
Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) you may see black bars on the top and bottom of the screen.



WIDE

## 4:3

Use this setting to view a true 4:3 broadcast.



4:3

# Picture controls

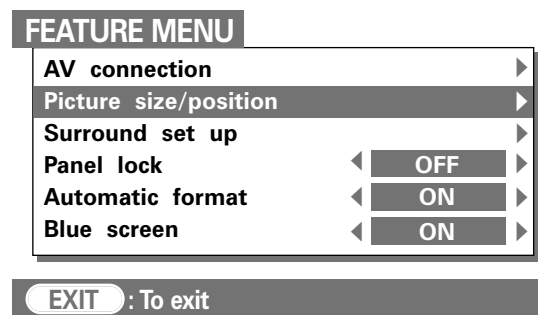
Adjustment to the position of the picture may be made to suit your viewing preferences.

## Picture size/position

- 1 Press the **MENU** button, and use the **>** button to select **FEATURE MENU**.



- 2 Now repeatedly press the **▼** button until **Picture size/position** is highlighted.



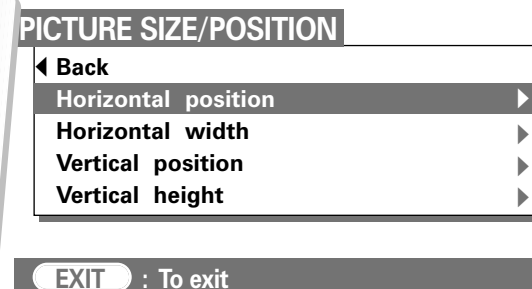
**!** The options available to you when in the Picture size/position screen will vary depending upon the widescreen format you have previously chosen, as detailed on page 12.

- 3 Press the **>** button to view the options available for the picture format you have selected.

- 4 With the **▲** and **▼** buttons, highlight an option and with the **<** or **>** button select.

- 5 Now use the **<** or **>** buttons to adjust the settings as required and press **EXIT** when you have finished.

In **Super live**:



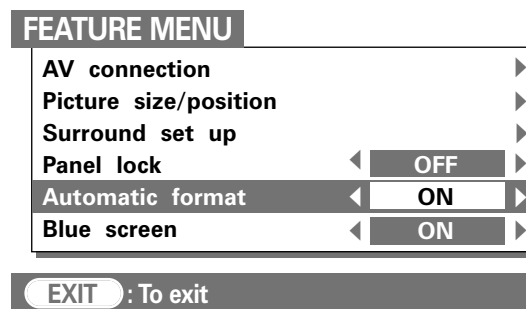
## Automatic format (Widescreen)

When this TV receives a true Widescreen picture and **Automatic format** is **ON**, it will automatically be displayed in Widescreen format, irrespective of the TV's previous setting.

- 1 Press the **MENU** button, and use either the **<** or **>** button to select the **FEATURE MENU**. Use **▼** to move down to **Automatic format**.



- 2 Using the **<** or **>** buttons turn **Automatic format** **ON** or **OFF**.




# Picture controls continued

This television offers you the choice of personalising the picture style to suit your own preferences.

## Picture Preferences, Scan Mode, Digital Noise Reduction and Still Picture



### Picture preferences

By pressing the  button you can view the different picture styles available

**Picture mode-1** to **3** for preset options and, **Picture mode-M** is for your own settings:

- 1 So, to set your own, choose **PICTURE** from the top menu bar.



#### PICTURE

Contrast	50			
Brightness	50			
Colour	50			
Tint	00			
Sharpness	00			
Scan mode			100Hz	
DNR			AUTO	

**EXIT** : To exit

Within this

#### PICTURE

menu you have the options to adjust the

**Contrast**, **Brightness**, **Colour**, **Tint** and **Sharpness**.

*The **Tint** can only be adjusted on a signal from an NTSC video recorder or DVD player when the television is in **AUTO** colour mode.*

- 2 Using the or button alter to suit your taste.

### Scan Mode

Scan mode has two options, both are 100Hz and reduce background flicker. In most situations, the standard **100Hz** setting will give the better picture. In cases of rapid movement, such as team sports, the **NATURAL** setting may give a smoother result.

- 1 Select **Scan mode** from the **Picture** menu.



- 2 With the or button select between **100Hz** and **NATURAL**, to choose the picture you prefer – the difference may only be slight.

### DNR – Digital Noise Reduction



**DNR** enables you to 'soften' the screen representation of a weak signal.

- 1 Select **DNR** from the **PICTURE** menu. Select between **AUTO** and **OFF** to obtain the best picture. The differences may not always be noticeable.



### Still Picture

Using the latest technology this television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a still – similar to freeze frame on a VCR – can be held on the screen.

- 1 Pressing the  button will hold an image on the screen. Press  again to return to TV mode.



# The timer, time display, panel lock and stereo/bilingual transmissions

## The Timer

You can tell the TV to turn itself **ON** or **OFF** after a certain time.

- 1 Select the **TIMER** option from the top menu bar.



### TIMER

Off timer	00:00
On timer	01:30 P02

0 - 9 : To set  
**EXIT** : To exit

- 2 Select the **On timer** (or the **Off timer**). If, for example, you want the TV to turn ON (or OFF) in one and a half hours time, enter 01:30 using the numbered buttons on the remote control.

- 3 If setting the **Off timer** press **EXIT**. If setting the **On timer**, you must enter the programme position number you want to watch. You must put the set into Standby mode by pressing the button.

Any equipment connected with Scart leads must also be put into Standby mode to prevent them being displayed when the timer switches on.

When the **On timer** has been set, the GREEN On timer indicator on the front of the TV will be lit (see page 6).

*If the **On timer** has been set, you do not have to wait to watch the television. You can bring the set back to life by pressing the button. However, the GREEN timer light will stay on until the set time period has passed, at which point the TV will go to the chosen channel. This feature can help you avoid missing your favourite programmes.*

- 4 To cancel the **On timer**, enter zero in each position including the programme position.

## The Time Display

The time display facility allows you to see the current time on the TV screen.

If you press the button on the remote control whilst watching a normal TV broadcast you will see a time display from the broadcaster. It will remain on the screen for about 5 seconds.

## Panel Lock

**Panel lock** allows you to disable the buttons on the front of the TV set. You can though, still use all of the buttons on the remote control.

- 1 From the **FEATURE MENU** select **Panel lock** and choose **ON** or **OFF** with the or buttons.



### FEATURE MENU

AV connection	
Picture size/position	
Surround set up	
Panel lock	OFF
Automatic format	ON
Blue	

*When **Panel lock** is **ON**, you will be reminded on the screen when you press any of the front panel buttons. Once the set has been switched off it can **ONLY** be brought out of standby using the remote control.*

## Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the lights on the front of the TV will be lit. The word Stereo or Dual will appear on the screen, disappearing after a few seconds. The display will reappear each time you change programme positions, provided that the broadcast is in stereo. If the broadcast is not in stereo the word Mono will appear.

**Stereo...** Choose the required programme number. Press the button repeatedly, to select between **Stereo** and **Mono**.


**Bilingual...** Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** does appear press the button to select between **Dual 1**, **Dual 2** or **Mono**.

# AV connections and input selection

...Please see page 24 for a clear view of the back connection recommendations...

Defining your INPUT and OUTPUT sockets so that your television recognises connected equipment.



Most video recorders and Set Top Box receivers send a signal through the Scart lead to switch the TV to the correct *Input* socket. Alternatively press the external source selection button  repeatedly until you see the picture from your equipment. You must use this button to view equipment connected using the COMPONENT VIDEO INPUT (**EXT 4**).




**Digital Audio** on the screen indicates that the external source has been set as a digital audio input, see below. An **S** e.g. **EXT2S**, indicates the input is set for an S-Video signal.

## Input Selection

### SELECTING THE DIGITAL AUDIO SIGNAL




This set is provided with 2 digital audio inputs – DA-1 and DA-2 – so that, for example, a DVD player and a games console can stay permanently connected.

Having connected the video signal from your DVD to, say, COMPONENT VIDEO INPUT (**EXT 4**) and from your games console to Scart 3 (**EXT 3**) you will now need to connect the audio cables to the inputs on the back of the set, then match the two up.

- 1 If you have connected to **DA-1** (optical), select **AV connection** from the **FEATURE MENU** and press the  button to highlight **Digital input- 1** then with the  or  buttons, select the appropriate video input, for example **EXT 4** for the DVD player.



#### AV CONNECTION

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT4 input	◀ EXT 1 ▶

- 2 Then for the 2nd connection, press the  button to highlight **Digital input- 2** (coaxial) then with the  or  button, select the appropriate video input, for example, **EXT 3** for the games console.

### SELECTING THE VIDEO SIGNAL

This feature allows you to specify the type of signal going into Scarts 2 (**EXT 2**) or 3 (**EXT 3**) on the back of the television and the sockets on the front (which are also **EXT 3**). Please refer to the manufacturer's instructions for the connected equipment. If the colour is missing try the alternative setting.

- 1 From the **FEATURE MENU** select **AV connection** and with the  or  button select either **AV** or **S-VIDEO** as the required *input* for **EXT2** and **EXT3**.

#### AV CONNECTION

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT4 input	◀ EXT 1 ▶



## Selecting the OUTPUT signal for Scart 2

This feature enables you to select the source to *output* from Scart 2. e.g. If you connect a stereo Set Top Box to Scart 1 and a stereo video recorder to Scart 2, and select **EXT 1** as the **EXT2** output (i.e. you will output the signal received through Scart 1 directly out to Scart 2), you will be able to record the stereo Set Top Box transmission in stereo.

- 1 Again, from the **FEATURE MENU** select **AV connection**.

#### AV CONNECTION

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT2 output	◀ EXT 1 ▶


- 2 Using the  or  buttons change the **EXT2 output** option to either **Monitor**, **TV**, **EXT 1** or **EXT 3**.  
**Monitor** = The picture on screen  
**TV** = The last television programme selection.  
**EXT 1** = The picture from equipment connected to Scart 1.  
**EXT 3** = The picture from equipment connected to Scart 3 or the front input sockets.

# Dolby Digital

Dolby Digital is available from DVD players, some games console players, etc. These must be connected using a Scart or phono lead for the picture **AND** an optical or a coaxial cable for the sound see page 24.

## Dolby Digital

Arrange the speakers around your normal viewing positions (as shown on page 5) and then make sure that the TV is set up as follows:

- 1** The DVD/Games console is connected to the TV using phono leads to the COMPONENT VIDEO INPUT or a Scart lead to Scart 3, **and** an optical or coaxial cable to the optical/coaxial sockets, DA-1 or DA-2.
- 2** The **Digital input-1** (optical)/ **Digital input-2** (coaxial) in the **AV connection** menu (see page 16) is set to **EXT 3** if Scart 3 is used or **EXT 4** if the equipment is connected to COMPONENT VIDEO INPUT.
- 3** External front speakers are connected and the external switch (found on the back of the TV) is set to **EXT**. You will not hear the centre channel without external front speakers connected. 
- 4** Rear speakers are connected and the **Rear speaker** option in the **Surround set up** menu is set to **YES**. (See next page.)

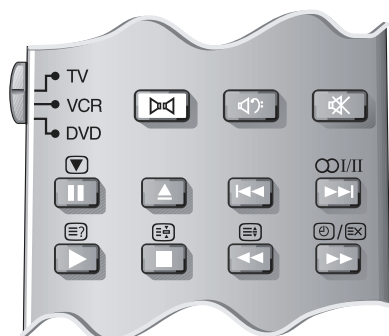
### DELAY TIME...


If you sit a long way from the TV and close to the rear speakers the sound from the rear will reach you before the sound from the front. You can use a higher setting in the **Delay time** option to restore the correct balance.

- 1** From the **FEATURE MENU** select **Surround set up**.
- 2** With **Delay time** highlighted, press the **>** button then use the **<** or **>** button to change the setting to a value that suits you.
- 3** Press **EXIT** when you have finished.

**!** If rear speakers are **NOT** selected in the **Surround set up** menu, you will not hear any sound from your rear speakers.

## Adjustments



- 1** Set the **volume** and **balance** of the front speakers to your preference.
- 2** Play a Dolby Digital source and press the  button on the TV's remote control. The title, e.g. **Dolby Digital 3/2**, is an indication of the channels available from your current sound source, see the table.
- 3** To adjust the levels, use the **^** or **v** button to select the centre and two rear speakers in turn. Press either the **<** or **>** button to adjust. The number of adjustable speakers will depend upon the signal received from the DVD player.
- 4** To cancel the test press the **EXIT** button.

**!** Alternatively, use the **Test mode** in the **SURROUND SET UP** menu, see page 18.

If the DVD playing is recorded in Dolby Pro Logic, i.e. 4 channel stereo (front left, front right, centre and rear) the TV will detect the 4 channels.

In this instance, when the **Surround Test Mode** is run the TV will cycle through the four channels in use.

In order to get full Dolby Digital, the DVD player must be connected using the coaxial or optical links.

### Dolby Digital

- 1/0 = Centre speaker only.
- 2/0 = Front Left and Front Right only.
- 2/1 = Front Left and Front Right + Rear Left and Rear Right combined.
- 2/2 = Front Left and Front Right + Independent Rear Left and Independent Rear Right.
- 3/0 = Front Left and Front Right and Centre. No Rear Speakers.
- 3/1 = Front Left and Front Right and Centre + Rear Left and Rear Right combined.
- 3/2 = Front Left and Front Right and Centre + Independent Rear Left and Independent Rear Right.

# Dolby Pro Logic

**Dolby Pro Logic** – available on many TV broadcasts in addition to video tapes, uses a combination of 4 speaker channels – front-left, centre, front-right and two rear. If external front speakers are not connected, the left and right front channels will be delivered through the speakers in the TV and you will not hear a centre channel.

## SURROUND SET UP



**EXIT** : To exit

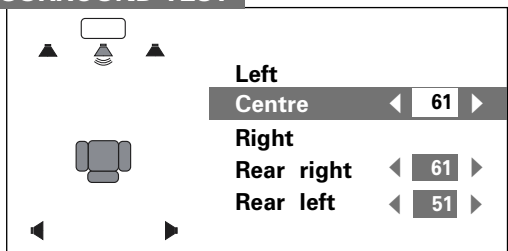
- 1 From the **FEATURE MENU** select **Surround set up**.
- 2 Using the **<** or **>** buttons turn **Rear speaker** to **YES**.

**!** **YES** in the **Rear speaker** option must be chosen for the **Test Mode** below to function...

## Surround Test Mode

- 1 Set the **volume** and **balance** of the front speakers to your preference.
- 2 Press the **▶◀** button to bring up the **SURROUND** menu. With **Dolby Pro Logic** selected, **EXIT** and go to the **FEATURE MENU**. Ensure that the **Rear speaker** option is set to **YES**, then run the **Surround test** from the **Surround set up** menu.

## SURROUND TEST



**EXIT** : To exit

- 3 Use the **<** and **>** buttons to adjust.

**!** The test will play a 'white noise' through each speaker in turn. The display will show you which speaker is in play, adjustments may be made whilst it is highlighted. The Centre channel will only be adjustable once the external switch has been set to **EXT**.









**!** If you cannot connect rear speakers try selecting Dolby 3 Stereo in Step 2, but you must have external front speakers connected and the external switch set to **EXT**.



**!** Inserting the headphone jack will mute the sound from all speakers and deliver a normal stereo left and right signal. There are no Dolby Digital or Surround effects available when using headphones.

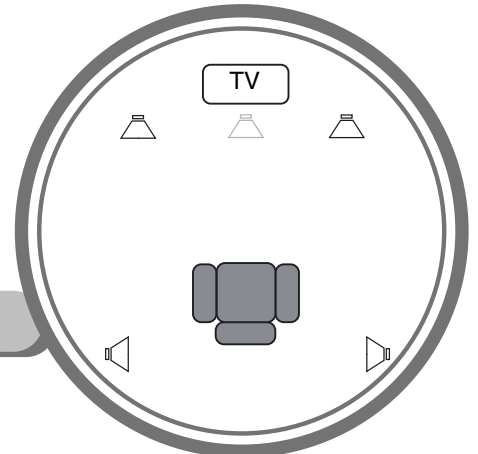
# Digital Surround Processor

Please note: **Hall**, **Theatre**, **Disco**, and **Stadium** effects are only available on a stereo signal. **Pseudo surround** works on both mono and stereo signals. All of the Digital surround modes are adjustable, the method of adjustment being described below, is the same for all the Digital Surround effects.

- 1** Press the  button to bring up the **SURROUND** menu.
- 2** Press the  or  button repeatedly to select the digital mode which best suits the type of broadcast.
- 3** Then press the  button to access the adjustments screen and with the , ,  and  buttons, adjust the levels as required.

...if you choose to adjust one **Digital Surround** mode, you will not affect the others.

**SURROUND SOUND** uses a combination of 4 speakers – front-left, front-right and two rear speakers.



## Surround Sound: Hall

To reproduce in the living room the surround effects similar to those experienced in a large concert hall. *Ideal for TV programmes or music video tapes.*



## Surround Sound: Pseudo

To create a synthetic sound effect for movies and TV shows recorded in mono.



## Surround Sound: Theatre

To reproduce the surround effects similar to those experienced in a movie theatre filled with a rich warm sound. *Ideal for movies with stereo sound.*



## Surround Sound: Stadium

To reproduce the surround effects similar to those experienced in a large football or baseball stadium packed for a live game.



## Surround Sound: Disco

To create the atmosphere of a room so full of music that it seems to engulf the listener. *An ideal sound mode for listening to pop videos.*



## Surround Sound: Off

Uses only the front left and right speakers. This mode can be selected for watching news broadcasts and the like which require no special sound features.



# Teletext – setting up

This TV has a multi-page teletext memory, which takes a few moments to load and it offers two ways of viewing text – **AUTO** and **LIST** which are explained on the next page.

## Selecting the character set and viewing mode and general information



### Selecting characters and modes

Before using teletext you can choose the correct alphabet (**Character**) and whether to view in **LIST** or **AUTO** mode, (explained on the next page).

- 1 From the **SET UP** menu, use the  $\wedge$  or  $\vee$  button to highlight **Teletext** and then the  $\rightarrow$  button to select.
- 2 With **Character** highlighted, use the  $\rightarrow$  button to select your required character set.

#### TELETEXT

Back	
Character	CHARACTER-1
Mode	AUTO

**CHARACTER-1** for Western European countries and Turkey  
**CHARACTER-2** for Eastern European countries

- 3 To select the **Mode**, with the  $\vee$  button highlight **Mode**.
- 4 With the  $\leftarrow$  or  $\rightarrow$  button choose **AUTO** or **LIST**.
- 5 Press **EXIT** to finish.

### About teletext

#### The $\equiv/\square$ button:

Pressing the  $\equiv/\square$  button once will bring up the teletext screen. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode. You need to return to normal viewing if you wish to change channels.

When you first press the  $\equiv/\square$  button to access the text service, the first page you see will be the *initial* page.

In **AUTO** mode this displays the main subjects available and their relevant page numbers.

In **LIST** mode you will see whichever page number is currently stored on the **RED** button.

To access any teletext page, enter the 3 digit page number, using the numbered buttons on the remote control, e.g. 430, or to advance to the next page, press the **P**  $\blacktriangle$  ( $\wedge$ ) button, to go back to the previous page press the **P**  $\blacktriangledown$  ( $\vee$ ) button.

#### Sub-pages

Once in this chosen page, if there are sub-pages they will automatically load into memory **without changing the one you are reading**. Arrows will appear alongside the page number, indicating sub-pages which have loaded to the left or right of the one on the screen. If there are many sub-pages it will take a long time for them all to load and this will depend on the speed with which the broadcaster transmits them.

To access the sub-pages in memory press the  $\equiv(-\ominus)$  button, then use the  $\leftarrow$  and  $\rightarrow$  buttons to view them.

To alter the volume you will need to cancel sub-pages mode by pressing the  $\equiv(-\ominus)$  button first.

Whilst in sub-pages mode an indicator will show in the bottom left of the screen. After a short time of inactivity the indicator will disappear. To access the sub-pages again press the  $\equiv(-\ominus)$  button.

These sub-pages will remain available to view until you choose another page or, in normal TV mode, you change channel.



# Teletext continued

## – Auto and List modes

Moving around the teletext pages in **AUTO** and **LIST** modes and selecting favourite pages

### Moving around



There are two **Modes**: **AUTO** will display **FASTEXT**, if available. **LIST** will display your four favourite pages. In either mode, as an alternative to the coloured buttons you can access a page by entering a 3-digit number, using the buttons on the remote control, or to advance to the next page, press the **P ▲** (▲) button, to go back to the previous page press the **P ▼** (▼) button.

### Auto

Press the button to access teletext.

In **AUTO** mode, if **FASTEXT**, is available, you will see four coloured titles at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control, corresponding to the title.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

### List

In **LIST** mode, the four choices at the bottom of the screen are now numbers – 100, 200, 300 and 400, which have been programmed into the TV's memory.

To view these pages use the coloured prompt buttons e.g. press the **GREEN** button to view page 200.

If you want to *change* these stored pages press the coloured button for the colour you want to change, e.g. **GREEN** and enter the 3 digit number.

This number will change in the top left of the screen and in the coloured highlight.

Now press **OK** to store your choice. The bars at the bottom of the screen will flash white.

If you do not press **OK** to confirm your change, you will not have stored your choice and it will be forgotten when you leave the teletext screen.

You may view other pages by simply entering the 3 digit page number – but DO NOT press **OK** or you will lose the favourite already stored.

Whenever you press **OK** all four page numbers showing along the bottom will be stored and the previous ones will be lost.

The rest of the text control buttons are explained on the next page...

**Remember to**  
cancel text before  
changing channels  
– press the  button twice.

# Teletext continued

## – control buttons


Now you have set up teletext, below is a guide to the remote control teletext buttons and their functions.

### Using the buttons on the remote control



#### 1 To display an index/initial page:


In **AUTO**-mode

Press the  button to access index pages. The one displayed is dependent on the broadcaster.


In **LIST**-mode

Press the  button to return to your page currently stored on the **RED** button.

#### 2 To display a page of teletext:

Press the  button to display teletext. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode. You cannot change programmes until you return to normal TV.


#### 3 To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions press the  button.



#### 4 To hold a wanted page:

This feature is included as it is part of the broadcast teletext system but you will not need it as this TV allows you to control the display of sub-pages.



#### 5 To enlarge the teletext display size:

Press the  button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

#### 6 To select a page whilst viewing a normal picture:

When in teletext mode, if a page selection is made and then the  button is pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the page number at the top of the screen. Press the  button to view the page.

To display news flashes:

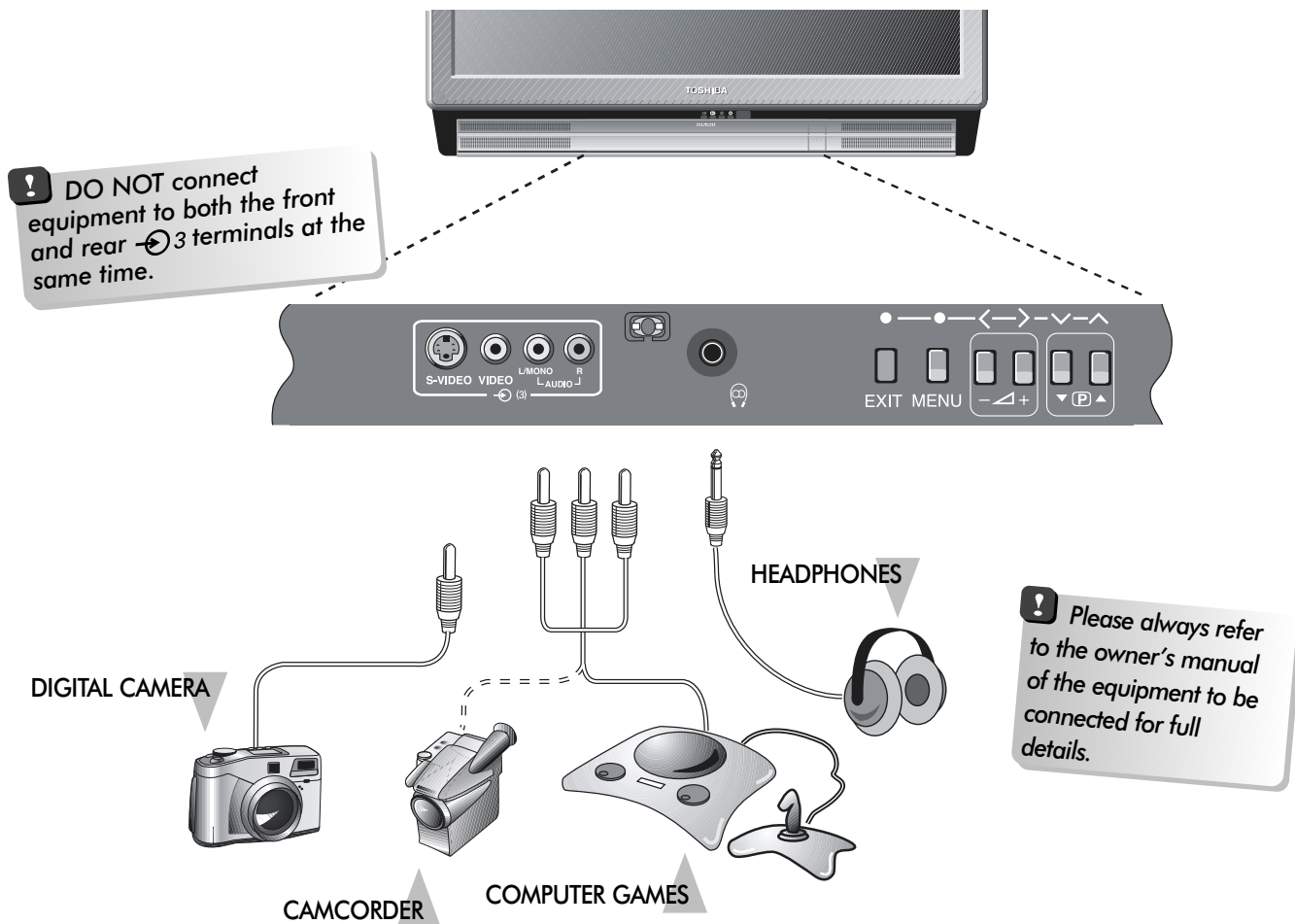
To view news flashes as they are broadcast, select the news flash page for the particular teletext service (see the index page of teletext service). Press the  button. The news flashes will be displayed as and when they are broadcast. Press the  button to cancel the display.

**You must**  
cancel the  
news flash  
page before  
changing  
channels.

# Front connections and controls

You can connect a wide variety of external equipment via the sockets located behind the flap on the front of the TV. Press the centre of the flap to open it

## Front connections...



Before connecting any external equipment, turn off all main power switches.

If you connect mono sound equipment to **Input 3**, connect the audio output of the equipment to the L/Mono socket on the TV.

To select the front Inputs, press the button until the display shows **EXT3** or **EXT3S** as described on page 16.

Please note: Inserting the headphone jack will mute the sound from all speakers.

## Front controls

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used for some functions...

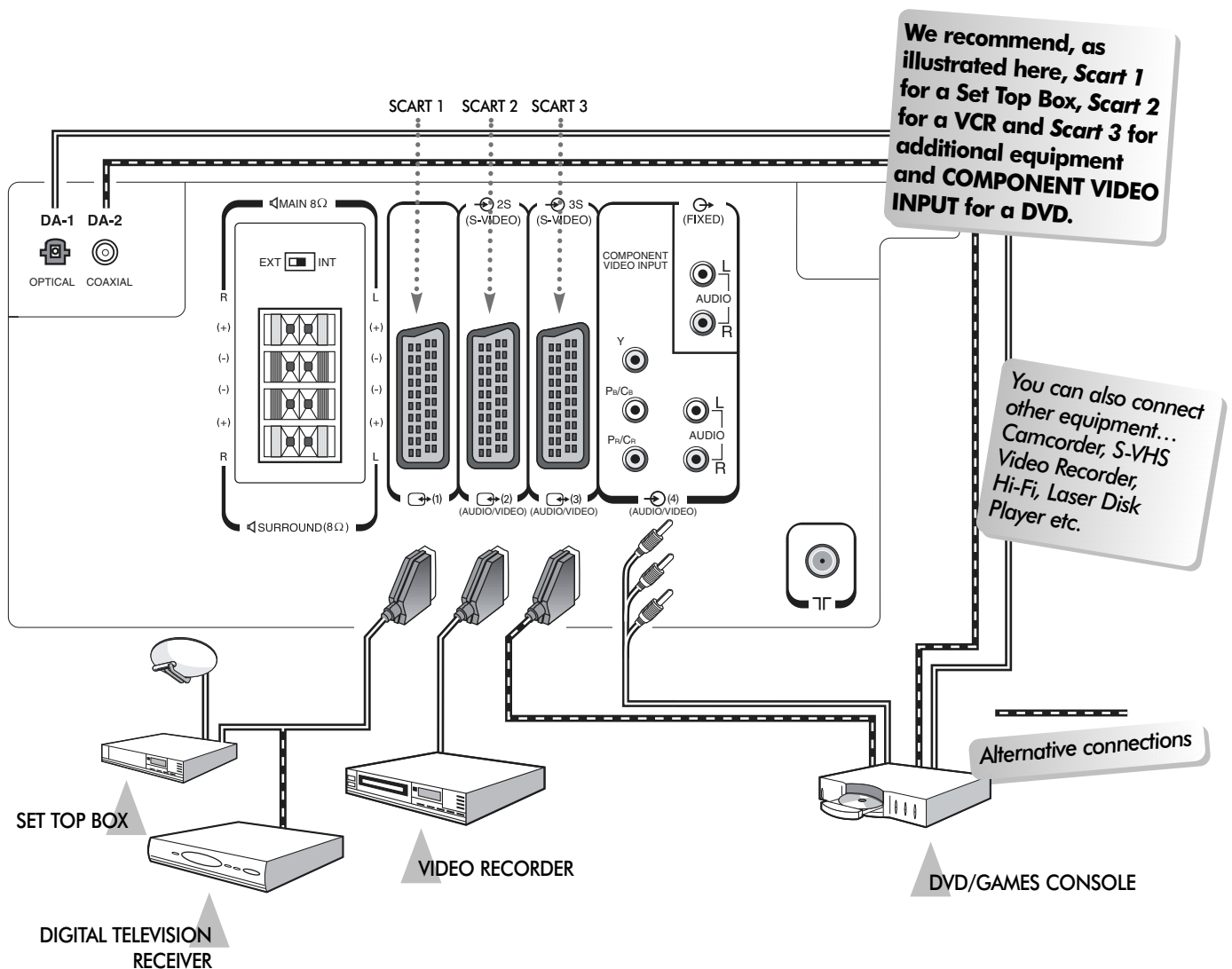
For example, to alter the volume press the buttons,

and to alter the programme position press the buttons...

...press the **MENU** button and control the sound and picture options with the , , and buttons.

Use **EXIT** to cancel the displays.

# Back connections



Before connecting any external equipment, turn off all main power switches.

On the back of the TV are 3 Scart sockets, and a selection of phono sockets, all of which will enable you to connect a variety of equipment.

DA-1 and DA-2 enable the input of Digital Audio signals.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

In addition there is a fixed external audio output which enables the connection to a suitable Hi-Fi unit.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2** or **EXT3** accordingly. See page 16.

If your TV automatically switches over to monitor the connected equipment you can return to normal TV simply by pressing the desired programme position button.

To recall the connected equipment, press the **→** button repeatedly to select between **EXT1**, **EXT2**, **EXT3** and **EXT4**.

# The on-screen menus

Press the **MENU** button on the remote control to see your top menu bar. This white menu bar will show five different topics shown in symbols. As you select each symbol by pressing the **<** or **>** button, its respective options will appear below. To use the options press the **✓** button on the remote control to move you down through them.

## Using the Menus

The functions of each menu are described in detail throughout this Manual.

### The PICTURE Menu



#### PICTURE

Contrast	50	◀	—	▶
Brightness	50	◀	—	▶
Colour	50	◀	—	▶
Tint	00	◀	—	▶
Sharpness	00	◀	—	▶
Scan mode		◀	100Hz	▶
DNR		◀	AUTO	▶

**EXIT** : To exit

### The SOUND Menu



#### SOUND

Bass	00	◀	—	▶
Treble	00	◀	—	▶
Balance	00	◀	—	▶

**EXIT** : To exit

### The SET UP Menu



#### SET UP

Language	◀	ENGLISH	▶
Colour	◀	AUTO	▶
Auto tuning			▶
Manual tuning			▶
Programme sorting			▶
Teletext			▶

**EXIT** : To exit

#### SET UP

Language	◀	ENGLISH	▶
Colour	◀	AUTO	▶
Teletext			▶

**EXIT** : To exit

 When watching a TV broadcast...

 When watching an external source...

### The TIMER Menu



#### TIMER

Off timer	00:00
On timer	00:00 P02

0 - 9 : To set  
**EXIT** : To exit

### The FEATURE Menu



#### FEATURE MENU

AV connection	▶
Picture size/position	▶
Surround set up	▶
Panel lock	◀ OFF ▶
Automatic format	◀ ON ▶
Blue screen	◀ ON ▶


**EXIT** : To exit

# Questions and Answers...

If you experience what seem like problems operating your TV, we recommend you read through these simple checks.

Q

*Why is there no sound or picture?*

**A** Check that the mains switch is on and check all the connections. Press the Standby button  on the remote control to make sure that the TV is not in Standby mode.

Q

*There IS a picture, but why is there little or no colour?*

**A** There is little or no colour...  
When using an external source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved. The television is factory set to **AUTO** in the **SET UP** menu to automatically display the best colour system.

To check that you have the best colour...

1

From the **SET UP** menu select **Colour**.



## SET UP

Language	◀ ENGLISH ▶
Colour	◀ AUTO ▶
Auto tuning	▶
Manual tuning	▶
Programme sorting	▶
Teletext	▶

**EXIT** : To exit

2

With the **<** or **>** button, choose between **AUTO**, **PAL**, **SECAM**, **NTSC 4. 43** or **3. 58**.

Q


*Can anything else cause a poor picture?*

**A** Yes, interference or a weak signal. Try a different TV station.

**Manual fine tuning** may help.

Q

*Why can't I see the video/DVD I am playing?*

**A** Make sure you have connected the VCR or the DVD player to the TV as shown on page 24, then select the correct input using the  button.

Q

*Why is the video/DVD in black and white?*

**A** Check that the correct **input** has been chosen, **S-VIDEO** or **AV**. See **AV connections**.

Q

*Why is the video picture good but there is no sound?*

**A** Check Scart lead connection.  
Check **Digital input OFF**. See **AV connections**.

Q

*I have a picture, but why have I no sound?*

**A** Press the volume button +  or the sound mute  button.

Q

*Why don't the controls on the front of the TV work?*

**A** Check that **Panel lock** is not **ON**.

Q

*Why is there a message permanently on the screen?*

**A** Remove it by pressing the **CALL** button.


Q

*Why am I having problems with teletext?*

**A** Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check your aerial. Go to the **main index** page of the teletext service and look for the **User Guide**. This will explain the basic operation of teletext in some detail. If you need further information on how to use text see the **teletext** section.

Q

*Why do I not have any teletext sub-pages?*

**A** There are none broadcast or they have not yet loaded. Press the  button to access. (See **teletext** section.)



# Questions and Answers...continued

**Remember...**

For television operation queries, please ring the helpline...



**Q**

*Why doesn't the remote control work?*

**A** Check that the switch on the side is in TV mode. Check that the batteries aren't dead and that they are inserted correctly.

**Q**

*Why has my screen turned blue?*

**A** **Blue screen** in the **FEATURE MENU** is **ON**. When no signal is being received, the TV will turn off the sound and switch the TV screen to blue. After 20 minutes the TV will switch to Standby mode.

**Q**

*Why are the colours wrong when I play an NTSC source?*

**A** Connect the source via a Scart lead and play. Select the **SET UP** menu.



## SET UP

Language	◀	ENGLISH	▶
Colour	◀	AUTO	▶
Teletext	▶		

**EXIT** : To exit

- 1 Set the Colour to **AUTO** and exit.
- 2 Go to the **PICTURE** menu and adjust the tint.

## Cleaning the screen and cabinet...

After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

## Disposal...

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

**Q**

*Why is there no Dolby Surround?*

**A** If you are unable to obtain surround sound effects from the rear speakers whilst playing a Dolby Surround video tape, check that the video recorder is a stereo unit and is connected by a scart lead. Check that Dolby Pro Logic is selected from the **SURROUND** menu. Check that rear speakers are connected and the **Rear speaker** option in the **Surround set up** menu is set to YES. Then run the **Surround test**.

**Q**

*Why is there no Dolby Digital?*

**A** ...If you are unable to obtain full Dolby Digital check: The **Rear speaker** (in **Surround set up**) says **YES** and the equipment is either connected by a phono or optical link as well as through a Scart socket or COMPONENT VIDEO INPUT. Also check that the correct external source is selected i.e. **EXT 3** or **EXT 4** (in **AV connections**).

If you connect external front left and right speakers, you must set the External speaker switch to EXT to get the full benefit of Dolby Digital – if the switch is left on INT the external speakers will not function. **Turn the television off** before changing the position of the switch.

**Q**

*Why is there no sound from the external left and right speakers?*

**A** ...Check the speaker switch has been set to **EXT**.

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# Specifications and accessories

## Broadcast systems/channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12

**Video Input** PAL, SECAM, NTSC 3.58/4.43

## External connections

EXT1	Input	21-pin Scart	RGB, A/V
EXT2	Input/Output	21-pin Scart	A/V, S-video, Selectable output
EXT3	Input (back) Input (front)	21-pin Scart 4-pin Phono jack Phono jacks	A/V, S-video S-video Video Audio L + R
EXT4	Input	Phono jacks Phono jacks	Y, P <sub>B</sub> /C <sub>B</sub> , P <sub>R</sub> /C <sub>R</sub> Audio L + R
Digital Audio Input		Optical or Coaxial	
Fixed Output		Phono jacks	Audio L + R

<b>Programme Positions</b>	100
<b>Stereo</b>	Nicam/MPX
<b>Visible Screen Size</b>	32ZP18Q 76cm 36ZP18Q 86cm
<b>Display</b>	16:9
<b>Sound output</b> (at 10% distortion)	Main 10W + 10W Woofer 13W Surround 10W + 10W
<b>Power consumption</b>	32ZP18Q 155W 36ZP18Q 160W
<b>Dimensions</b>	32ZP18Q 750mm (W) 544mm (H) 545mm (D) 36ZP18Q 855mm (W) 620mm (H) 601mm (D)
<b>Weight</b>	32ZP18Q 56kg (approx.) 36ZP18Q 75kg (approx.)
<b>Headphone Socket</b>	3.5mm stereo
<b>Accessories</b>	Remote control 2 batteries (R03 or AAA) Surround speakers

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